## SEQUENCE LISTING

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gag Glu	gac Asp	atc Ile	gtg Val	ttc Phe 35	gag G1u	acg Thr	gac Asp	cac His	atc Ile 40	ctg Leu	gag G1u	tcc Ser	ctg Leu	tac Tyr 45	cga Arg	326
gac Asp	atc Ile	cgg Arg	gac Asp 50	att Ile	cag Gln	gat Asp	gaa Glu	aac Asn 55	cag Gln	ctg Leu	ctg Leu	gtg Val	gcc Ala 60	gac Asp	gtg Val	374
aag	cgg	ctg	gga	aag	cag	aac	gcc	cgc	ttc	ctc	acg	tcc	atg	cgg	cgc	422

ļ	Lys	Arg	Leu 65	Gly	Lys	Gln	Asn	Ala 70		Phe	Leu	Thr	Ser 75		. Arg	Arg	
1	ctc _eu	agc Ser 80	Ser	atc Ile	aag Lys	cgc Arg	gac Asp 85	acc Thr	aac Asn	tcc Ser	ato Ile	gcc Ala 90	Lys	gcc Ala	atc Ile	aag Lys	470
Ç	gcc 41a 95	Arg	ggc Gly	gag Glu	gtc Val	atc Ile 100	cac His	tgc Cys	aag Lys	ctg Leu	cgc Arg 105	gcc Ala	atg Met	aag Lys	gag Glu	ctg Leu 110	518
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þ	itg let	cac His	gac Asp 145	tac Tyr	aac Asn	cag G1n	gcc Ala	gag Glu 150	atg Met	aag Lys	cag Gln	cgc Arg	gac Asp 155	aac Asn	tgc Cys	aag. Lys	662
a	tc le	cgc Arg 160	atc Ile	cag Gln	cgc Arg	cag Gln	ctg Leu 165	gag Glu	atc Ile	atg Met	ggc Gly	aag Lys 170	gaa Glu	gtc Val	tcg Ser	ggc Gly	710
Α	ac sp 75	cag G1n	atc Ile	gag G1u	gac Asp	atg Met 180	ttc Phe	gag G1u	cag G1n	ggt Gly	aag Lys 185	tgg Trp	gac Asp	gtg Val	ttt Phe	tcc Ser 190	758
g G	ag lu	aac Asn	ttg Leu	ctg Leu	gcc Ala 195	gac Asp	gtg Val	aag Lys	ggc Gly	gcg Ala 200	cgg Arg	gcc Ala	gcc Ala	ctc Leu	aac Asn 205	gag Glu	806
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g	CC	gac	acc	ctg	aac	gtc	atc	gag	ctc	aac	gta	caa	aag	acg	gtc	gac	950

Ala	Asp 240	Thr	Leu	Asn	Val	Ile 245	Glu	Leu	Asn	Val	G1n 250	Lys	Thr	Val	Asp	
tac Tyr 255	acc Thr	ggc Gly	cag Gln	gcc Ala	aag Lys 260	gcg Ala	cag Gln	gtg Val	cgg Arg	aag Lys 265	gcc Ala	gtg Val	cag Gln	tac Tyr	gag Glu 270	998
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Пе	Va1	Phe 35	Glu	Thr	Asp	His	Ile 40		G1u	Ser	Leu	Tyr 45		Asp	Ile	
Arg	Asp 50	Ile	Gln	Asp	Glu	Asn 55	Gln	Leu	Leu	Val	Ala 60		Val	Lys	Arg	
Leu 65	Gly	Lys	Gln	Asn	Ala 70	Arg	Phe	Leu	Thr	Ser 75		Arg	Arg	Leu	Ser 80	
Ser	Ile	Lys	Arg	Asp 85	Thr	Asn	Ser	Ile	A1a 90	Lys	Ala	Ile	Lys	Ala 95	Arg	
Gly	Glu	Va1	Ile 100	His	Cys	Lys	Leu	Arg 105	Ala	Met	Lys	Glu	Leu 110		Glu	
Ala	Ala	Glu 115	Ala	Gln	His	Gly	Pro 120		Ser	Ala	Val	Ala 125		Ile	Ser	
Arg	Ala 130	Gln	Tyr	Asn	Ala	Leu 135	Thr	Leu	Thr	Phe	G1n 140		Ala	Met	His	
145			Gln		150	Met				155	Asn				160	
Пе	G1n	Arg	Gln	Leu 165	Glu	Ile	Met	Gly	Lys 170	Glu	Va1	Ser	Gly	Asp 175		

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                                 185
 Leu Leu Ala Asp Val Lys Gly Ala Arg Ala Leu Asn Glu Ile Glu
         195
                             200
                                                  205
 Ser Arg His Arg Glu Leu Leu Arg Leu Glu Ser Arg Ile Arg Asp Val
                         215
 His Glu Leu Phe Leu Gln Met Ala Val Leu Val Glu Lys Gln Ala Asp
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                                         235
 Thr Leu Asn Val Ile Glu Leu Asn Val Gln Lys Thr Val Asp Tyr Thr
                 245
                                     250
                                                          255
Gly Gln Ala Lys Ala Gln Val Arg Lys Ala Val Gln Tyr Glu Glu Lys
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ytngarwsny tntaymgnga yathmgngay athcargayg araaycaryt nytngtngcn
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gaygtnaarm gnytnggnaa rcaraaygcn mgnttyytna cnwsnatgmg nmgnytnwsn
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                                                                       300
caytgyaary tnmgngcnat gaargarytn wsngargeng engargenea reayggneen
                                                                       360
caywsngcng tngcnmgnat hwsnmgngcn cartayaayg cnytnacnyt nacnttycar
                                                                       420
mgngcnatgc aygaytayaa ycargcngar atgaarcarm gngayaaytg yaarathmgn
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ttygarcarg gnaartggga ygtnttywsn garaayytny tngcngaygt naarggngcn
                                                                       600
mgngcngcny tnaaygarat hgarwsnmgn caymgngary tnytnmgnyt ngarwsnmgn
                                                                       660
athmgngayg tncaygaryt nttyytncar atggcngtny tngtngaraa rcargcngay
                                                                       720
acnytnaayg tnathgaryt naaygtncar aaracngtng aytayacngg ncargcnaar
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ttytgytgyc cntgyytnaa r
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Arg Asp Ile Gln Asp Glu Asn Gln Leu Leu Val Ala Asn Val Lys Arg
Leu Gly Lys Gln Asn Ala Arg Phe Leu Thr Ser Met Arg Arg Leu Ser
                    70
                                         75
Ser Ile Lys Arg Asp Thr Asn Ser Ile Ala Lys Ala Ile Lys Ala Pro
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Pro Glu Val Ile His Cys Asn Val Arg Ala Met Lys Glu Leu Ser Glu
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        115
                            120
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Ile	G1n	Arg	Gln	Leu 165	Glu	Ile	Met	Gly	Lys 170	Glu	Val	Ser	Gly	Asp 175		
Ile	G1u	Asp	Met 180	Phe	Glu	Gln	Gly	Lys 185	Trp	Asp	Val	Phe	Ser 190	Glu	Asn	
Leu	Leu	Ala 195	Asp	Val	Lys	Gly	Val 200	Arg	Ala	Ala	Leu	Asn 205	Glu	Ile	Glu	
	210					215					220			Asp		
225					230					235				Ala	240	
				245					250					Tyr 255		
			260					265					270	G1u	Lys	
ASTI	Pro	275	Arg	ınr	Leu	cys	280	Pne	Cys	Lys	Pro	285	Leu	Lys	• *	
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